



Clouds framed the Boston skyline last week as the weather slowly caught up with the calendar.

## Frat frosh to clean up toys

By Mike McNamee

Three MIT fraternities have applied for a \$500 Federal grant to sponsor an unusual sort of pledge project — removal of dangerous toys from Boston area stores.

The grant, which is now being considered by the US Consumer Product Safety Commission, will fund an effort by the pledge classes of Delta Tau Delta (DTD), Delta Upsilon (DU), and Phi Gamma Delta (Fiji) to survey more than 150 Boston-area stores which sell toys, searching for playthings that have been ruled dangerous by the consumer agency.

The fraternity pledges will be equipped with extensive lists of toys found by the consumer agency to be unsafe for a variety of reasons — shoddy manufacture, sharp edges, pointed objects, or breakability. The surveyors will inform store managers of any banned toys they find on the shelf, and ask that they be voluntarily removed. If the toys are not removed, the Federal agency will be informed.

"The pledges doing this survey will have no authority to order stores to remove toys," said Ed Michaelson '78, DTD, who originated the idea for the

unusual project. "But the Consumer Product Safety Commission is pretty strict about following up on the violations, and most stores realize this."

The consumer group has been working since 1970, Michaelson said, to remove dangerous toys from the market. It generally does not have enough staff, however, to conduct extensive surveys of stores selling toys, and so depends on volunteer groups like the MIT fraternities to carry out the canvassing.

The commission has estimated that more than 150,000 children and adults required hospital treatment for injuries received from unsafe toys in the last year. Since the agency began work in 1970, more than 1700 toys and other products have been ruled unsafe for sale.

By law, manufacturers must cease production or import of any items the consumer agency rules unsafe, and stores must stop selling the items. But many stores are either poorly informed about the commission's rulings, or lax about removing the products, Michaelson said.

Michaelson got the idea for the unusual pledge project from his high school days in Baltimore, where he organized a simi-

lar survey on a smaller scale. "DTD has a tradition of service-oriented pledge projects, and when we discussed what we wanted to do, I proposed this," Michaelson explained.

The Consumer Product Safety Commission was contacted in mid-October, and was eager to have the MIT group conduct the survey. The agency, however, wanted the project conducted on a larger scale that DTD could handle, and so other fraternities were invited to join. DU and Fiji accepted, and the three houses formed the MIT Tri-Fraternity Pledge Association to conduct the survey.

The Institute is not directly involved in the project — "We have MIT's blessing, but not sponsorship," Michaelson said

## Watergate, CIA abuses similar

By Mike McNamee

The abuses of the Watergate scandal and the abuse of CIA power in overthrowing the Allende government in Chile both stem from "the mentality and personality of the Nixon administration," an MIT audience was told yesterday.

A "paranoia and tendency to look for enemies everywhere" were major factors in the Nixon Administration's quest to dominate its opponents, NBC newsman Ford Rowan told a seminar sponsored by the MIT Center for International Studies yesterday. This mental attitude, Rowan said, was reflected in foreign operations by the CIA as well as by the activities of the "Plumbers Squad" in the Watergate burglary.

Rowan and his wife, Ann Rowan, addressed the seminar of the topic "Watergate and the CIA." Rowan is currently covering the trial of the Watergate cover-up conspirators for NBC news, and Ms. Rowan is a staff aide to Rep. Michael Harrington, (D-Mass.), who revealed in September the role the secret agency played in the downfall of Allende's government in Chile.

Ms. Rowan, who worked with Harrington on the secret testimony that revealed the CIA's Chile actions, said that the revelations raised a basic question for the American public to ask: "Who makes foreign policy for this country?" Harrington, she said, "was very upset when he learned about the Chile thing,

and tried to get the appropriate Congressional committees to act on it."

Despite Harrington's concern, Ms. Rowan said, she didn't believe that the congressman was responsible for the subsequent leaks of the information to the *New York Times* and the *Washington Post* that resulted in the publishing of the testimony early in September. "I think it would be unfair to speculate on who was responsible for the leaks," Ms. Rowan said.

Rowan said that the abuses of the CIA and the Nixon adminis-

tration were both "made possible for an abundance of money," and added that that money should be retraced to get at the roots of both situations.

Both the Rowans scored the news media for its "short attention span," saying that the treatment of the Watergate story and the CIA revelations had both been treated superficially.

"The media is usually just after the sexy stuff," Rowan said. "Now that they are beginning to think that Watergate is dead, they are concentrating on

(Please turn to page 8)

## Space grown crystal presented to president

MIT had its day at the White House this week, when President Gerald R. Ford was presented a segment of a crystal grown in an Institute-planned experiment aboard Skylab III Monday.

The crystal particle, which was "grown" about the orbiting space laboratory by astronauts last January, was presented to the President by Chairman of the MIT Corporation Howard W. Johnson at a special White House ceremony.

The President told Johnson that the crystal segment was "a reminder that we should raise our sights to the broadening horizon available to us through our national investment in science and technology." Ford added that he would keep the crystal in its mounting in the Oval Office where he works.

The crystal was grown as part of an experiment under the direction of MIT Professors Harry C. Gatos and August F. Witt, both of the Electronic Materials

Group of the Center for Materials Science and Engineering. The experiment was undertaken to test if crystals could be grown in a weightless situation, away from the influence of gravitational forces.

The crystals that resulted from the experiment are said to be the most perfect and uniform crystals made by man. The indium-antimonide crystal segment, which was cut from a larger cylindrical crystal, is of the type used in semiconductor devices such as transistors.

Both Ford and Johnson commemorated the occasion as an important scientific feat and a bright indicator for the usefulness of the space program, which has been largely dormant since the end of the Apollo program's moonflights two years ago. Johnson pointed out that the results of the crystal experiment was "an example — one of the few — in which one sees an

(Please turn to page 9)



NBC newsman Ford Rowan and his wife Ann addressed a seminar on "Watergate and the CIA" yesterday afternoon. Photo by Mark James

## Police Blotter

Police Blotter is a weekly compilation of Campus Patrol Activities on and off the MIT campus. Items for the Blotter are selected by the Patrol.

10/22/74

Patrol received the report of the theft of a Sony Tape Recorder and a Texas Instruments calculator from an open and unoccupied room in Ashdown House, Boston and Cambridge Pawn Shop Divisions notified.

10/27/74

Patrol reports the apprehension of a juvenile responsible for the theft of a camera from the Game room in the Student Center. The camera was returned to the owner.

10/29/74

Report was received of a handbag theft from an open room in Burton House. Complainant reports that she had been in and out of the room all evening, and had seen no suspicious persons in the area.

10/29/74

Patrol reports the recovery of a ladie's purse that had been stolen from a lab in Building 3. The purse contained over \$1000 in personal property which was recovered intact.

11/1/74

Patrol reported the recovery of a vehicle which had been reported stolen in Cambridge earlier in the week by the Cambridge Police Department.

11/1/74

The Patrol received a complaint of the larceny of a Commodore Calculator valued at \$140 from an unlocked room in the East Campus complex.

11/1/74

An occupant of Baker House reported the larceny of camera from his room sometime during the past six days. The occupant stated that his room had been locked during the time which he was away.

11/1/74

A Texas Instrument Rule Calculator valued at \$72 was stolen from an unattended room in Building 9. The complainant reported that he left the room for five minutes and discovered the loss on his return.

11/2/74

The Patrol received a report of a vehicle left in a damaged condition while parked on Memorial Drive in front of one of the Fraternity Houses. Information disclosed that an occupant of passing vehicle damaged the parked vehicle with a baseball bat. Windows were broken and the fenders and the hood were dented.

11/2/74

A complaint was received from a sports minded student who let four unknown persons use his basketball while the benefactor was playing volleyball. Upon return to retrieve his property he was unable to locate the

basketball players or his basketball.

11/3/74

The Campus Patrol was notified of a suspicious person in the Senior House. The occupants stated that a student inquired into the business of an unknown person on the premises and immediately this person depart-

ed from the building. A description was given to the Campus Patrol for a further check in the area.

11/4/74

The Campus Patrol received several reports of larcenies from lockers in the duPont Gym. Investigation showed that some of the locks had been forced and wallets taken from the lockers.

### Economic Issues of Equal Employment

Phyllis Wallace

Visiting Professor, Sloan School of Management

November 12, 1974



Tuesday

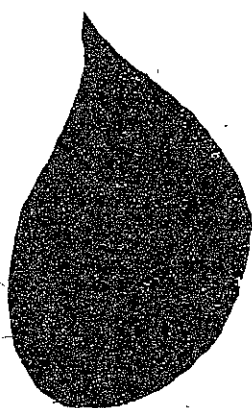


Women's Forum

Room 10-105

12:00-1:00

# LET'S MAKE A DEAL



For a limited time only, you can trade in your old, tired blood at the Sala. In exchange, you will get the satisfaction of knowing that you have helped to save a life. And, as a special incentive for the MIT community, each donor will get a coupon entitling him/her to a medium Gershman's cheese pizza for only \$1.00 (only one per donor - you can't give more than a pint anyway) which is good until November 23 (please mention the coupon when calling in your order). So make an appointment now (forms all over the Institute, and at the TCA office), or just walk in at the Sala. Please, help save a life.

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# Demo victory marks election

By Gerald Radack  
and Mike McNamee

The Democratic Party gained a landslide of massive proportions in nationwide voting last Tuesday, as American voters rejected Republican candidates in the wake of Watergate, the Nixon pardon, and the bad state of the economy.

Congressional Democrats had gained approximately 43 seats in the House of Representatives over the 1972 results, and increased their lead in the Senate by three votes. Viewing these results, House Speaker Carl Albert (D-Okla.) told reporters, "This is not just a victory — this is a mandate."

In state races, Democrats tightened their grip on the nation's statehouses, increasing the number of Democratic governors by six to 37. Republicans not only lost to Democrats, but dropped a gubernatorial race to Independent James B. Longley of Maine, leaving only 12 Republican governors in the country.

Massachusetts was no exception to the nationwide trend, with all major statewide races being won by Democrats. Michael Dukakis lead the slate, defeating incumbent Republican Francis Sargent '39 by a margin of approximately 200,000 votes. That race had been marked by an acrimonious campaign, with charges and counter-charges flying between the two candidates' camps throughout the battle.

Sargent, who had trailed Dukakis by as much as 25 per cent in polls during the campaign, had closed the gap to about four points in a statewide Boston Globe poll published Monday. But the final efforts weren't enough for the MIT

alumnus; he was quoted as saying "the price of hamburger" and economic issues had lost him the election.

In the closest of the statewide elections, Francis X. Bellotti, Democratic candidate for Attorney General, defeated Republican Josiah A. Spaulding by only 30,000 votes. The race was considered too close to call yesterday morning, but seemed to be settled by noon, when over 95 per cent of the vote had been counted.

The Democratic Massachusetts Congressional delegation

was increased to 10, as opposed to 2 Republican Congressmen, with Middlesex County Commissioner Paul E. Tsongas defeating one-term incumbent Paul W. Cronin in the Fifth Congressional District. Cronin's loss, many analysts felt, was almost directly due to Watergate-type issues, since the Republican refused to follow Tsongas' lead by publishing his tax returns for the last several years.

A controversial referendum issue, the "Question 7" that proposed reorganization of the

(Please turn to page 10)

## Graduate Study at U.C.L.A.

Dean Robert S. Kinsman will be at the Career Planning and Placement Office on Wednesday afternoon, November 13, to talk about graduate programs at U.C.L.A. in the arts and sciences, engineering, and management.

Students wishing to see him should schedule an appointment at the Placement Office, Room 10-140.

From now until eternity, it is the best, most penetrating, utterly fascinating movie ever made on the subject.

—Winslen, N.Y. Post



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PG

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## In Case of Insomnia— Right of Way

By Storm Kauffman

Well, they're at it again... cluttering the Building 7 lobby with all sorts of masterpieces of dubious function.

This time the whole thing can be attributed to the Center for Advanced Engineering Study; the Architecture Department is blameless for once.

If you've wandered through there in the past two days, you have undoubtedly been accosted by numerous gadgets clamoring for your inattention. There is an aluminum staircase or something that goes up and down every once in a while, there is a display of graphics, there are a couple of television sets with MITV and CAES programs. What arrested my progress precipitously was a reflector strategically placed right in the path from the main doors to the main corridor. The reflector reflects the image of a convoluted, illuminated pink blob. The whole effect is, ah, well... I would have said "unique" if it hadn't reminded me of weather.

Ah, "Weather." That is capital "W" weather. Another one of Building 7 lobby works that was turned loose on an unsuspecting Institute community. Weather occurred sometime last November and lasted way too long; its primary feature was obstruction of passage through the lobby. I will admit that there were some interesting exhibits; the big plastic upside-down umbrella which dripped water into the center of the lobby was intriguing as long as it wasn't leaking on you. There was that plastic inflatable igloo with the obscene entrance. There were all the streamers hung from main entrance portico, making the Institute appear as if it were suffering a "Gala Grand Opening." And there were a bunch of connected wooden frames that seemed to have blocking of the way as their only purpose. As you can tell, I really liked Weather.

Lobby 7, as it is sometimes whimsically called, can be used well. I don't dislike everything that has ever been in there, and my favorite remains the "Erector Set." For those of you who arrived after May 1973, this was a stairway constructed by architecture students during IAP '71. The structure looked literally like an erector set, wandering its way up to the second floor balcony with alcoves for private conversation, tooling, or whatever. Originally intended to provide easier access to the second floor, it was one of the few projects to succeed in its objective. It was interesting, useful, fun to climb around on, and didn't block the path. When they killed it in May of that year, it was with false promises of a bigger and better stairway. I had images of a massive maze leading to possibly the third floor balcony and, dare I hope, the fourth. What did I get? Weather! Disillusionment followed.

Since then, the lobby has often been used well. The musical, theater, and dance interludes at noon are enjoyable to watch, even if you only have a few moments. Even pieces of Weather and this latest stroke of genius have a certain appeal for several days. However, most of the time I go steamrolling through the lobby, late for some class or appointment and in no mind to brook anything that gets in my path. Later, when I have the time, I am more than willing to go back and poke around — I like mysterious gadgetry as much as anyone around MIT. But I do not see why the people who place the exhibits must force them on people by making people run into them.

If Suzanne Weinberg (Lobby 7 coordinator) wants to keep doing these events — and she should — I think at least a few of us would appreciate not being forced to interact with them when we don't want to.

Jack Anderson

## A house in disorder

By Jack Anderson

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WASHINGTON — In this election week, perhaps the voters should be reminded they have a long way to go before they clean up Capitol Hill. Congress has spent millions of dollars investigating Watergate, but it still has not set its own house in order.

A spot check investigation has turned up these continuing abuses:

— The Constitution forbids acceptance of any and all foreign gifts. Nonetheless, in this session of Congress alone, we have uncovered more than 100 such illegal trips by the nation's lawmakers and their aides.

— The free mail privilege, by law, is restricted to official business only. New standards have been adopted to make congressional newsletters less of a promotion piece for the members. Yet we have found numerous newsletters which violate even these minimal restrictions.

— Federal law prohibits soliciting or accepting campaign contributions on federal property. This is one statute that most congressmen know quite well. Yet representatives of labor unions and other special interest groups regularly drop off campaign contributions on Capitol Hill. In addition, a number of lawmakers use their congressional offices to send out political contribution mailings.

One reason congressmen so freely flout campaign laws, apparently, is that the Justice Dept. has refused to enforce them.

Since the original campaign spending law was adopted in 1971, the Clerk of the House and the Secretary of the Senate have forwarded nearly 10,000 apparent violations to the Justice Dept. for investigation and possible prosecution. Some 1,800 incidents have been reported to Justice this year alone.

So far, however, the Justice Dept. has failed to act. Indeed, only a few attorneys have been assigned to handle reported violations.

Some of the complaints are purely technical in nature: a candidate filed a late report, or a contributor was not properly identified. Many other cases, however, involve serious infractions of the law, including the acceptance of illegal corporate contributions, illegal expenditure of personal funds and violations of the general spending limitations.

Henry the Plumber

During the first Nixon administration, Henry Kissinger's concern over news "leaks" helped to stimulate wiretaps on members of his own National Security Council staff. Press reports of the wiretap campaign embarrassed Kissinger so much that he threatened to resign.

But the adverse publicity apparently didn't cure him. He has now begun an

intensive effort to plug the leaks at the State Dept.

Kissinger is outraged over press reports — many of them ours — about his Middle East negotiations and his celebrated "tilts" toward Turkey and white Africa. A few weeks ago, he restricted the distribution of classified cables. The European Affairs Bureau, for example, used to get 30 copies of incoming cables. They now get six.

A team of top aides toured the department and told lesser bureaucrats they would henceforth receive only those telegrams that were directly related to their particular jobs. And they were warned not to duplicate the few cables they get.

In addition, the director general of the Foreign Service lectured his underlings on the "ethics" of their calling. "Malicious" news leaks, he told them, maligned the "integrity" of the Foreign Service. Those who could not live with Kissinger's policies, he suggested, should resign or take "leave without pay."

The truth is there is little information which must be kept secret in the interest of national security. Indeed, Henry Kissinger himself is walking proof of the hypocrisy of the classification system.

He routinely holds "background" press conferences in which he divulges sensitive information. The bits and pieces he reveals, however, are carefully selected to further the aims and desires of Henry Kissinger.

Recently, CBS newsman Daniel Schorr was investigating the US government's role in the 1973 coup in Chile. He obtained information critical of Kissinger and visited the State Dept. for a rebuttal. Kissinger's executive assistant, Larry Eagleburger, reached into the State Dept.'s vaults and produced three top secret documents that tended to back Kissinger's side of the story.

About a week earlier, Kissinger's press spokesman had heatedly branded news leaks a "disgrace to the Foreign Service."

Ford to Ford

Ford is under severe pressure from his former Michigan backers to switch economic gears. He is still calling upon the American people to spend less in order to keep prices down and curb inflation. But Americans are already spending less than the auto industry would like on new cars.

New car sales are down drastically. A recent, nine-day survey shows Ford and Chrysler sales off 18 per cent. General Motors down 34 per cent and American Motors down 46 per cent. Close to 65,000 workers have been laid off the Big Three production lines.

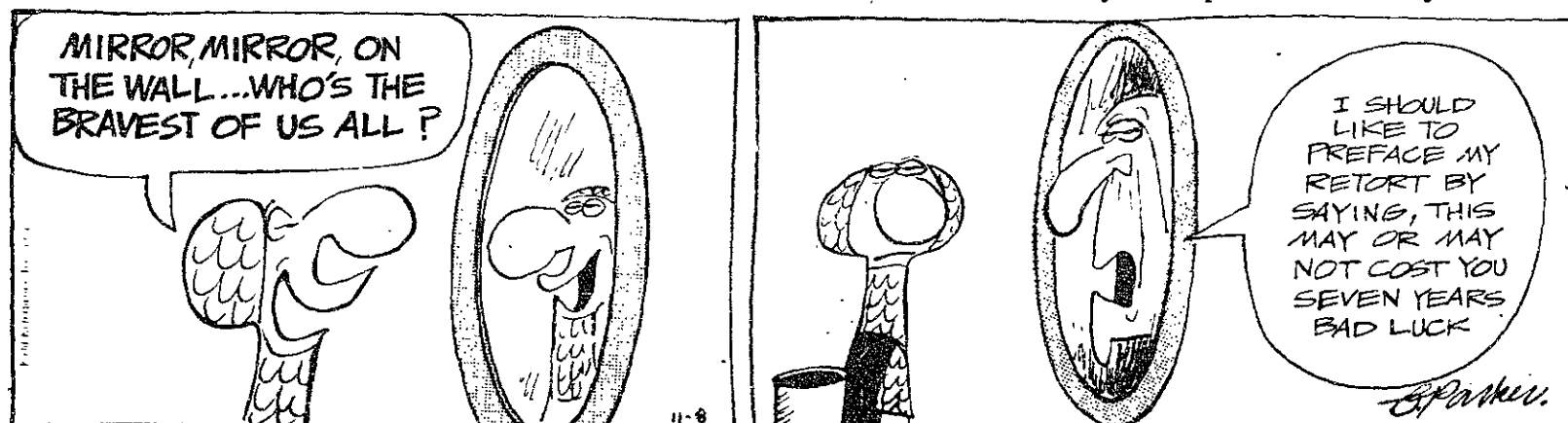
Hard times in the auto industry are also spreading swiftly to the industries that produce auto accessories and to everyone else who does business with the auto community.



"HERE IS THE LATEST PROJECTION FROM OUR COMPUTER AT ELECTION CENTRAL..... IT PREDICTS WILFRED BYRD WILL WIN THE U.S. SENATE SEAT IN KENTUCKY..... HE WILL MARRY A DEVOTED SECRETARY IN 1977..... THEY WILL HAVE TWO CHILDREN..... IN THE 1980'S HE WILL BECOME SERIOUSLY ILL AND....."

THE WIZARD OF ID

by Brant Parker and Johnny Hart



The Wizard of Id appears daily and Sunday in the Boston Globe

Continuous News Service

## The Tech

Since 1881

Vol. XCIV, No. 45 Friday, November 8, 1974

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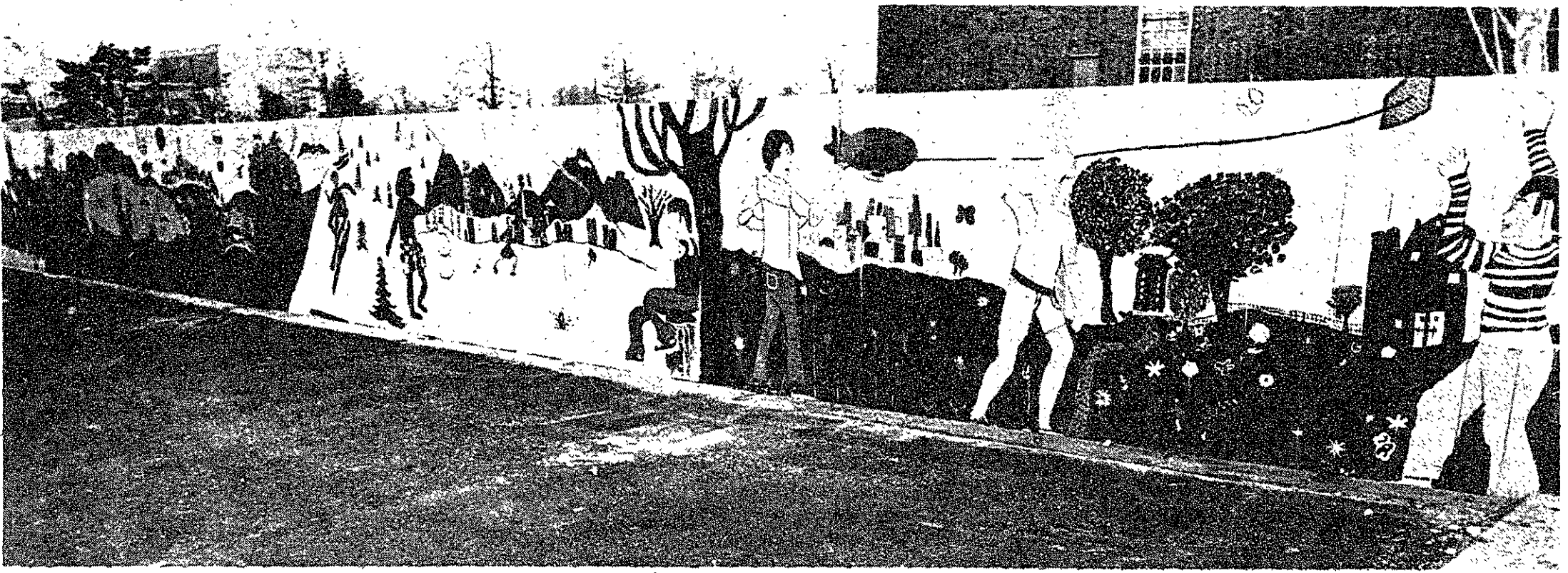
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Group participation and "advocacy architecture" are the themes at a neighborhood playground designed by MIT graduate student Nick Elton, which is being built on North Harvard Street in Allston.

"We aren't going to just present the people of the neighborhood with a park," Elton said of the project. "They will have been involved in design and construction of their playground from the start — it will be theirs."

The playground is being sponsored by the North Harvard Neighborhood Council, a community group composed mainly of residents of the Charlesview housing project in Allston. The group, organized about 18 months ago, raised almost \$2000 to lease three-quarters of an acre from Harvard University, and then asked MIT's Community Projects Laboratory for aid in designing the playground and park. That's where Elton came in.

"There's nothing really fantastic or unusual about the design," Elton, an architecture student, told *The Tech*. "But it is unusual to see a community as involved in planning, design, and

construction as this one has been."

Since \$2000 is "not a whole lot of money to develop that much land," Elton said, scrounging and volunteer labor have been the watchwords for the project. The Federal government provided funds to hire 30 neighborhood children to work full-time during the summer on the playground, and several schools in the Boston area have supported students who are helping, but most of the work on the playground has come from what Elton calls "sweat equity."

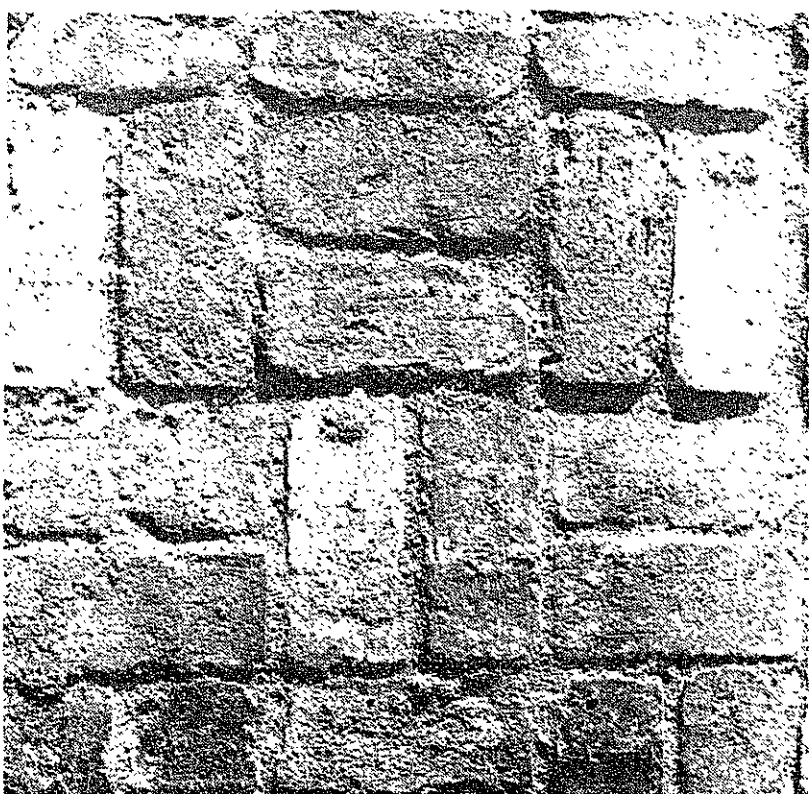
Neighborhood children, as the main beneficiaries of the project, have also been strongly involved in completing it. Wood for a 70-foot long fence was donated by educational TV station WBGH, and the local kids are painting a mural — showing a "people's park," of course — on the fence. "We're trying to get the kids involved and get interaction with them, too," Elton said.

When completed, the playground will serve the people of the North Harvard Street area of Allston, including residents of proposed married-student housing planned by Harvard.



## A Community Design Project

Photos by Roger Goldstein





# ASIMOV ON CHEMISTRY

## Doubleday/255 pages/\$8.95

Last year I had the pleasure of being a participant, along with a number of other researchers from the MIT Planetary Astronomy Lab, in a panel for a radio show on WGBH featuring the well-travelled Cornell astronomer, Carl Sagan. Since Dr. Sagan has been the proponent of a number of theories that were not in vogue among the MITPAL people, we were ready to bring up some pointed questions about the details of his work, as a sort of reminder that by coming to Cambridge he was entering the camp of the enemy.

The moderator of the show was from the radio station. And from the moment he asked his first question, it was clear that Sagan was indeed in the camp of the enemy. The moderator started off with UFO's, went on to ask about occult powers, Atlantis, and the "life force" of rocks. For the most part, we sat in silence. Somehow the significance of the response time of the vidicon system on the Viking Lander paled before the real debate before us — science vs. superstition.

I bring this up in connection with Dr. Asimov's book, because Asimov is probably the most powerful voice of science reaching the American public today. With the success of fakers like von Daniken and Velikovsky, it's good to know there's at least one popular writer about science who knows what he's talking about.

Asimov on Chemistry itself has little new to offer to an already avid Asimov fan. All the articles have been published previously, first in The Good Doctor's monthly column in *The Magazine of Fantasy and Science Fiction*, and again in books now out of print. They date from the early 1960's — the latest was printed in 1966. The essays themselves remain unchanged, since to update them "would deprive you of the fun of seeing me eat my words now and then," says the author in his preface. Instead, he annotates them with footnotes, remarking on what's

changed in the past ten years.

In addition, there are a number of thumb-nail biographies of famous chemists scattered through the book, and, since the articles have been chosen around a common theme, he includes an index.

The essays themselves are not seriously dated, because their subject matter for the most part deals with the historical development of chemistry and its basic applications.

When he speaks of current speculations in the field, though, it's easy to pick arguments with him. When faced with his speculations on the possible chemical bases for life other than carbon-water, one is tempted to say, "yes, but —"; and as a student of planetary sciences, I can see where he almost blew it in his essay on "Recipe for a Planet." His description of the interior of the Earth almost agrees with modern theories, though it's not clear Asimov understands why. At any rate, it's probably a lot closer than what most of the professionals were saying back in 1961, when the article was first written.

However, my main complaint as a chemist is not what he says, but all the interesting stories that he doesn't talk about. The "Recipe for a Planet" and "The Evens Have It," concerning the stability of even-numbered isotopes, are both examples of subjects that have ramifications he doesn't even hint at, and which seem to be deserving of entire books.

It's natural I'd want more on these topics; after all, that's why I'm spending my time here at MIT. Not everyone is as crazy about the stuff as I am, and they probably wouldn't suffer through a book on the subject. To the average reader, the variety of topics Asimov touches on gives added appeal to the book. There are plenty of interesting things in science that Asimov doesn't write about; he probably doesn't even know about them. Why do we have to depend on one man to tell our stories to the general public?

The fact is that scientific research is a luxury supported by an affluent society.

Granted, some discoveries may lead to a better life later on, but scientific research is supported not merely as an investment in the future. People want to know about the nature of the universe right now. They'll pay money to anyone willing to tell them, be it Isaac Asimov or Erich von Daniken. It's not just good P.R. for scientists to explain their research to the general public; it's a moral obligation.

Yet most scientists refuse to become writers, and most writers know abysmally little science.

Too many scientists I know tend to make a cult of their knowledge, cloaking it in deliberately obscure jargon, and tending to ostracize anyone who dares go "popular." Most scientists are like the group of us from MITPAL, who wanted to show up Carl Sagan on the detailed technology of his Mars landing craft design, even though such a discussion would have bored the pants off anyone who happened to be listening in on it. We resent Carl Sagan, out of jealousy (he's not really such a hot scientist, but he sure gets in the papers a lot) and out of fear. (If he makes our work sound too simple, then who can we impress?)

Professional science writers are no help. A prime example is Walter Sullivan, the conceited science editor of the *New York Times*, who seems to have a small circle of friends (yes, Carl Sagan is one of them) whom he'll quote at the drop of a hat, whether they know anything about the matter at hand or not. After all, they're scientists — aren't they?

The most distressing aspect is that science writing at MIT seems to be especially bad. *Tech Talk* is uniformly vague in their articles on research; they seem to be more afraid of being wrong than interested in conveying information. And student-run news media are hardly without sin. MITV once had a story about a new x-ray telescope that could detect "galaxies up to 200 million miles away" and *The Tech* carried an article earlier this year about the discovery of a 13th moon on Jupiter, which, among its numerous faults, referred to the planet as a "stellar object."

In contrast to these horrors, Asimov stands out as being lucid, entertaining, and, for the most part, accurate. Asimov on Chemistry is probably the kind of book you'd buy as a Christmas gift, to show your Aunt Matilda what kind of stuff you learn at MIT. But it's also the kind of book you'd enjoy reading yourself.

Guy Consolmagno

Litterae is *The Tech's* Literary Section. Your contributions and feedback are welcome.

dribblets, oligarchic features first, and interlaced with such a thicket of conservative quotations, ranging from Machiavelli and Burke to de Tocqueville and Hamilton (Hamilton to Jefferson: "Your people, sir, is a great beast.") that I found it irritating and dyslogistic rather than thought-provoking, in the manner of some of the anti-Left stories in *Analog*.

The extremely dense writing in this book is a further irritant. What plot there is can be described in a few words: the son of a Councillor incites a mutiny on his assigned space-navy ship and threatens to bomb a colony on Mars if his demands are not met. However, it takes us several pages to extract this much, fragment by fragment, because the author spends most of his time babbling on about what is going on moment by moment in the minds of everyone who is currently on stage. I use the words "on stage" advisedly; it's the only way to describe the series of postures that take the place of a plot for the huge cast (there is actually a list of some forty characters at the beginning of the book, a maneuver I thought was confined to the Ace paperback slushpile). In addition, the slow dribbling of information would be appropriate to the class of political adventure novel told from the outside looking in, such as *Vanished* and *The President's Plane Is Missing* (Janifer

even begins the story with a discussion between two newsmen) but such coyness simply doesn't work when the largest part of the story is told from the councillor's point of view. Some pieces of the story might work fairly well as a suspense film in the style of Alfred Hitchcock (the councillor also has a daughter married to a star actor on whom the new edition of the mob will come down if he is unable to pay off his debts to them, as he will be if this particular Martian colony is destroyed). The parts do not work on paper, however, and Janifer should make peace with the limitations of his medium.

The justification claimed by Janifer for his political system is quite similar to Heinlein's; it keeps the idiots out and produces a government of men who can govern best. Leaving aside the fact that in politics idiocy and capability are highly subjective judgments, Janifer portrays the Cabinet and Legislature as having (for an approximation) no smaller percentage of loudmouths, headline hunters, and power-seekers than today's average. He does get one ironic point out of his thesis of "power to the wisest": the son, not an ordinance officer, decides (just before the rest of the crew rises and kills him) to bomb the colony; he lets go at the wrong point and demolishes some sand dunes sixty miles off target. Even this good

# BOSTON BARGAIN FINDER

THE ENCYCLOPEDIA  
MONEY SAVING GUIDE TO THE  
GREATER BOSTON AND  
MASSACHUSETTS AREA

## BOSTON BARGAIN FINDER

Consumer Alliance, Craig and Peter Norback

Hamony Books/248 pages/\$3.95

This book repurposes itself to be "The encyclopedic money saving guide to the Greater Boston, and Massachusetts area." It succeeds and fails at the same time.

It lists over 500 stores with sure fire bargains all over Massachusetts, yet missed over 2 dozen inexpensive stores in Cambridge and Boston alone.

The stores are listed under thirty different categories of merchandise. Each category is preceded by a description of the points to watch out for, to get both a good price and top quality. The descriptions vary from the best discussion of hifi terminology I have seen to several one-sentence "duhhh... we really don't know what to say."

All the stores are listed alphabetically and geographically in appendices, with general info about hours, credit policies, etc., which adds greatly to the book's usefulness.

The store listings are followed by an extremely brief guide to the local Boston entertainment scene. It misses most of the inexpensive great places that this author knows, and seems to have been added to increase sales to the quick glance buyer.

The book is quite attractive, laid out with lots of space around the headings and type. Each section is preceded by an old Sears and Roebuck catalogue type picture. Unfortunately, this doubles the size of the book, and, one assumes, its price. Questionable practice for a group whose object is to save you money.

It appears that the Consumer Alliance (a NYC-based non-profit organization) sent two people up to Boston for a few days to gather the data, and then packaged it attractively.

I would recommend it to people who are new to Boston or those who have cars and like to shop for bargains on rainy Saturdays. Otherwise, I would ask around and learn where to shop well and cheaply from the grapevine and save the four dollars.

Len Tower Jr.

point, however, is so relentlessly hammered as to become an amorphous, indigestible lump. This approach (perhaps "attack" would be the better word) accounts for most of the wordage in the book and makes just sitting down and reading through it something of a chore. That chore, magnified by the alternation of chapters of the story with lengthy and abstruse political quotations in 18th century English, probably accounts for some of my hostility — but even with extensive digging I found little to like in this book.

Isaac Asimov has written that background is the first point of science fiction: the writer must begin by creating a vision of the future — society, mechanisms, and all — against which to set his story, and the story will commonly stand or fall largely by the solid construction and smooth exposition of this background. Janifer unfortunately begins by thoroughly muddling the background and the characters (it's astonishing how much can be written about a character without really telling us anything) and meanders on to an inconclusive ending that tries to be impressive but instead leaves the reader wondering why anything happened at all.

Chip Hitchcock



## POWER

### by Laurence Janifer

#### Dell/219pp/95 cents

Maybe I should have had more sense than to open by reviewing something by Laurence Janifer; if this comes across as incoherent it essentially reflects what I just read. Janifer has written half a dozen books in a wide variety of styles and with widely varying degrees of success; in at least one case (*You Sane Men*, reissued by Lancer as *Bloodworld*) he gives the impression of having overestimated either the importance of his theme or his own capacity to express that theme. I wouldn't say exactly that about *Power* — in fact I'm not sure just what I would say because this book is so jammed with disorderly detail that the plot can only dribble through the cracks.

Janifer has proposed Earth "three hundred years after the collapse," ruled by a monarch (the Emperor) who appoints a Cabinet (Councillors) and Legislature (the Dichtung) and who is restrained only by referenda on his nominees; an Emperor who loses too many referenda is deposed, although there is no indication of the procedure for replacing him. Stated so baldly the system does not seem so severely tyrannical, but it is expounded in

### Perfectly Clear: Nixon from Whittier to Watergate

by Frank Mankiewicz  
The New York Times Book Company:  
Quadrangle/232 pages/\$8.95

When Watergate began to unravel, I said to a classmate, "It's as if Fletcher Knebel were writing the script from day to day." I also noted that Knebel's *Night of Camp David*, ended with the resignation of a paranoid president and special arrangements for the scandalized Vice President. Since then I have stayed away from "Watergate books." *Perfectly Clear* is my first. It is dated but still contains relevant passages as it traces Nixon's political career.

*Perfectly Clear* was written so long ago that Agnew hadn't resigned yet. The tapes were still unavailable to anyone but Nixon men. It is, therefore, a bitter and slanted report embodying the frustration that was felt by many who could see the evidence piled high, while those who could act were blind.

Mankiewicz spends portions of two chapters listing Watergate related crimes. All the wallowers and hounders of the "overwhelmingly popular (ex-)president" should have their scorecards ready. Included also is an appendix which lists some criminal statutes which may have been violated by Nixon people.

The enduring portion of the book is the brief history of campaign tricks. A fellow by the name of Dick Tuck, used to

be the king of election time pranks. Tuck is credited with the fortune cookie incident. It seems that everyone at a dinner for the 1960 presidential candidate Nixon, received the same fortune cookie message. They were all told to ask Nixon about certain money dealings.

Mankiewicz claims that pranks "as usual" didn't consist of outright fraud and were more on the order of bringing up the embarrassing issue at the wrong time for the candidate. We recognize the Nixon personality at work here. The man who saw protesters as a threat to his own peace of mind hence to national security would easily equate the fortune cookie question with forged letters and bugging. It goes even deeper, putting forth the claim that Nixon never won a fair election, with the possible exception of 1968.

A chapter entitled "The California Proving Ground" chronicles some of Nixon's better and lesser known treacheries. In California Richard the Deposed was responsible for distorted and downright fraudulent smear campaigns against opponents. Jerry Voorhis and Helen Douglas both opposed Nixon. His standard line against both was that they were supported by communist movements with huge slush funds. He then compared their voting records with so called Communist leaning Senators. The assumption was that a Communist would never vote for anything good, and of course people believed his statistics and faked pools then as in 1972. Also in California Nixon became a delegate for Earl Warren's attempt for the Presidential nomination in 1952. Eisenhower and Senator R.A. Taft were supposedly in deadlock as the convention approached. Warren hoped that he would be the choice if the deadlock couldn't be broken. Nixon got right in and started working hard, for Eisenhower. Strangely enough he became Eisenhower's running mate.

The last test of tactics in California was in 1962 against the incumbent Governor Brown. Haldeman, Maurice Stans and Herbert Kalmbach were there. They set up and operated the "Committee for the Preservation of the Democratic Party in California." They mailed out fake pools and warnings to borderline Democrats. The idea again was to associate the

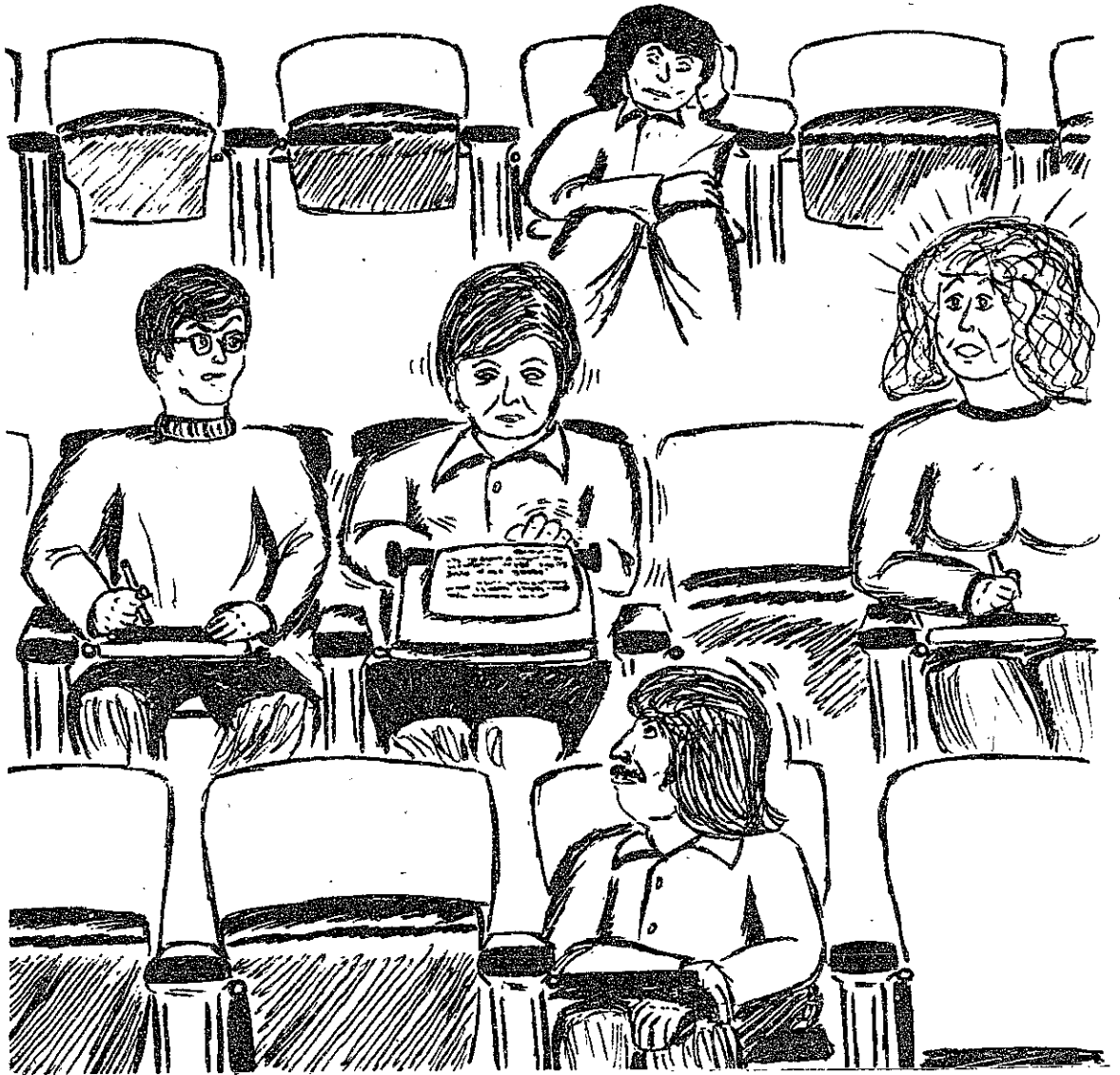
opponents with Communism. This time it was to be done by first falsely associating a liberal democratic organization with softness on commies. It might have worked but he got caught. Yes dear friends, if the California Democrats had the desire to raise the money for legal fees, we might not have suffered six years of Richard the First. They decided that Nixon was finished anyway. He had lost two election attempts in a row and had made an ass of himself at his farewell news conference. I used to be skeptical about cycles in history, but no longer. Richard the Lion-assed ripped us off twice, with the same plans. Get a load of the ten-year intervals and hold on to your spirit of 1984, as elder statesman Nixon will undoubtedly be calling himself the hero of the Watergate expose.

On the more contemporary side, Mankiewicz contemplates the national security excuse. He bemoans the shame-

less exploitation of the Miami Cuban refugees by everybody since and including Eisenhower. The whole point of the latter half of the book is the search for the roots of such abuse of power. After beating around the blind loyalty bush, we wind up at the American Fuehrerprinzip. Mankiewicz contacted Albert Speer. Speer wisely chose to avoid direct comment and only described the FP. It seems as though the coverup trial will be important in verifying the extent of FP present in the White House.

Mankiewicz ends with a call for impeachment and appendices containing some relevant documents. But the concluding remarks aren't all obsolete. He stresses the 1984 aspects of the Nixonian language of politics. Prophetically Gerald Ford is referred to as the man who moves only with the support of the White House, i.e. Nixon people.

David Shepard



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## Opinion fuels Arab politics

By James Jones

The formation of a state for Palestinian refugees is becoming highly favored by public opinion in Arab countries, and will lead to pressure on Arab governments to work for such a state, an Arab journalist told an MIT audience last Wednesday.

"Palestinian Power," according to Lebanese journalist Ghassan Tuani, is becoming a strong issue even in such countries as Saudi Arabia, which is not directly involved in the Palestinian problem. The effect on opinion in the Arab world, Tuani said, might force govern-

ments there towards a "diplomacy in revolution" policy.

Tuani, who addressed a seminar sponsored by the MIT Political Science Department, spoke prior to a decision by the heads of the Arab states, meeting in Morocco, to recognize the Palestinian Liberation Organization. That move, which threatened Israeli involvement in the Middle East peace talks in Geneva, was viewed as an endorsement of the idea of establishing a Palestinian state on the West bank of the Jordan River.

The Arab states have an in-

creased "sense of community" since the Yom Kippur War of 1973, according to Tuani, who added that this factor must be taken strongly into account in considering future Arab politics.

Extension of this sense of community, Tuani added, was the major challenge to the Arab nations now. Despite public opinion in America, the journalist said, Arab countries are "rich nations of poor people," and class pressures across the wealth chasm will provide as much trouble for Arab unity as pressures between conflicting countries.

## Nixon personality blamed for W'gate

(Continued from page 1)

the trial and ignoring the investigation that should be done." Rowan cited the Special Prosecutor's investigation of the "milk fund" and other sources of Nixon campaign money as an example of the type of investigations that should be pursued by the press.

Ms. Rowan said that institutional changes would be needed to prevent future abuses of CIA power in developing countries. She cited the political situations in Southern European countries such as Portugal, Italy and Greece as "a prime target for the CIA to intervene if it wants to." Domestic strife in those countries and threatened takeovers by communist governments have made them headaches for American diplomatic authorities in recent weeks.

Harrington, Ms. Rowan said, is continuing his efforts to keep tabs on the CIA's activities, but is not sure what he can do to stop the agency from undertaking covert actions. Congressional legislation is necessary, she said, to prevent further incidents like those in Chile.

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Pauline Kael, The New Yorker

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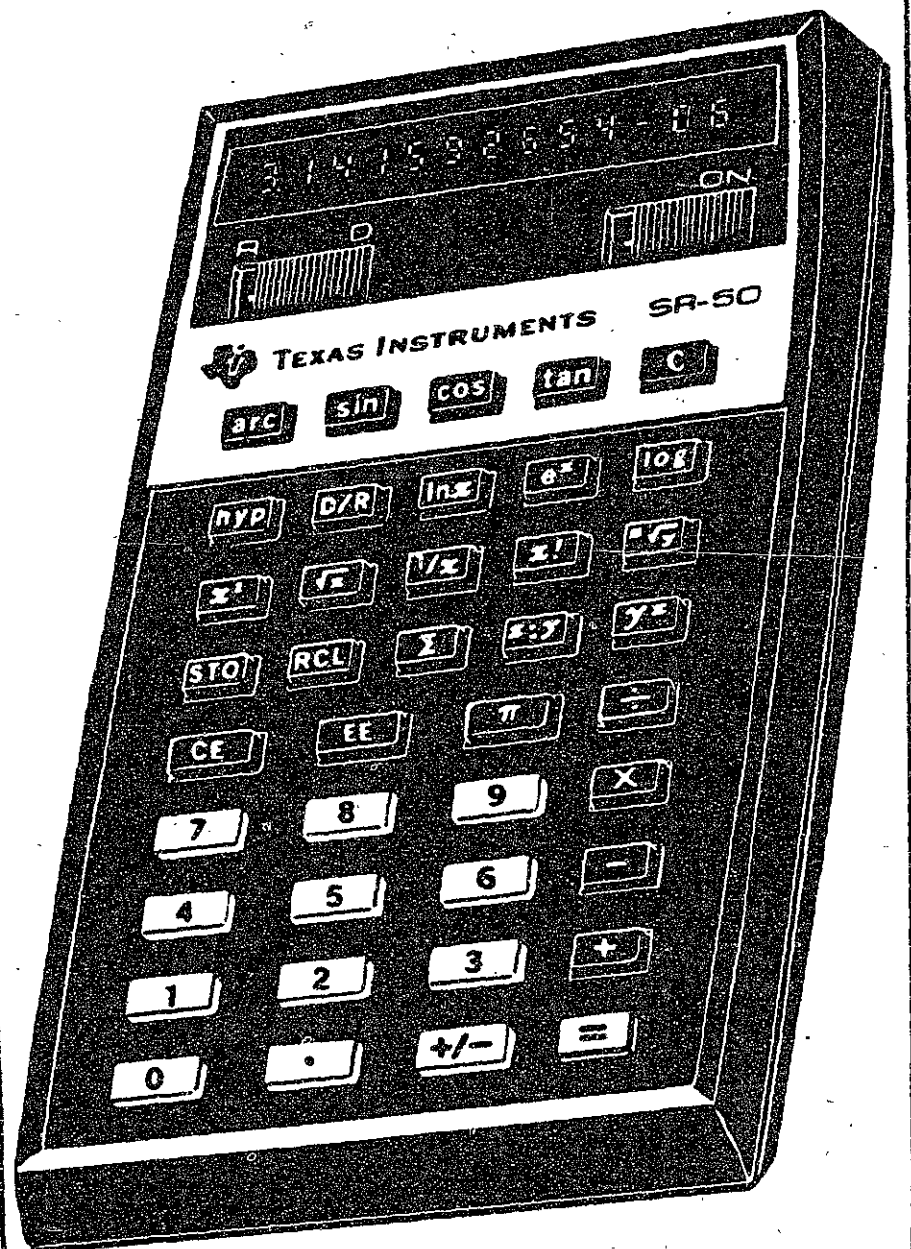
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## Ford gets MIT space crystal

(Continued from page 1)  
immediate return," since the crystal growth method can be used immediately to produce better electronic materials.

Ford also praised the experiment, saying "This successful demonstration serves as a useful reminder of the contributions that science and technology make toward improving and enriching our daily lives."

Scientists have predicted that the results of the crystal growth on board Skylab will have a significant effect on miniaturization of electronic circuitry. Use of weightless conditions and vacuum in space in manufacturing processes is also expected to have a profound impact on many areas of the economy, especially in processes which can

be carried out by automated machinery.

The crystal experiments were done on board both Skylab III and Skylab IV, and will probably be continued on the joint US-Soviet space flight scheduled for next year. The segment presented to Ford was manufac-

tured on the Skylab III flight.

Gatos was also named recipient of the Solid State Science and Technology Award of the Electrochemical Society this week for his "outstanding contributions to the advancement of solid state science and technology."

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## NOTES

\* Jane Fonda, Daniel Ellsberg, and singer Holly Near will be at Tufts University Friday, November 8 for the last leg of a nationwide tour to draw attention to the continuing war in Indochina. Joining them will be MIT student Nguyen Huu An. The rally is jointly sponsored by the Indochina Peace Campaign, the Tufts Lecture Series and the Tufts Political Action Group, and will take place at the Cousens Gym, Tufts University, Medford at 8pm, Friday, November 8, with a \$1.50 donation at the door.

\* The Struggle For Independence In Puerto Rico will be addressed by Larry Thomaz of the Socialist Workers Party, founding member of the US Committee For Justice to Latin American Political Prisoners, and Roberto Marrero, of the Puerto Rican Socialist Party, on Friday, November 8, 1974, at 8:00pm. The Militant Forum will be held at 655 Atlantic Avenue Boston. Donation of \$1.00-50 cents for High School students and unemployed.

\* The Harvard Graduate School of Design is sponsoring its Third Annual Open House for undergraduates at Greater Boston colleges interested in investigating the environmental design and planning professions. The Open House will take place at Gund Hall, 48 Quincy Street, Cambridge, on Wednesday, November 13, from 3:30 to 5:30pm.

\* Adopt a Shut-In Grandparent in Brookline, Meeting - Tuesday Nov. 5th, 7:30 in the Ziskind Lounge, George Sherman Union, Boston University, 775 Commonwealth Ave. For more information, call Candy, 353-6608 or Barb, 353-6612. Please help.

\* "The Food - Population Crisis: Responsibilities of American Women" will be the topic of an informal talk by Dr. Nevin S. Scrimshaw, Professor of Human Nutrition, Head of the Department of Nutrition and Food Science at MIT and Chairman of the World Health Organization advisory committee on Medical Research, at the Technology Wives Organization advisory committee on Medical Research, at the Technology Wives Organization Meeting on Tuesday, November 12 at 8:00pm in the Emma Rogers Room (Bldg. 10-340). Refreshments, discussion and an opportunity to join TWO will follow. The event is open to the MIT community - husbands are welcome.

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## Voters swerve to Democrats

(Continued from page 3)

Boston school system by doing away with the Boston School Committee, was defeated by a 3-2 margin. Other referenda, however, fared better, including Question 3, which provided for state aid to private colleges and students at such schools. That measure was approved easily by Massachusetts voters.

Massachusetts turnout was lower than expected, with 55 per cent of registered voters turning out in wet weather to vote. Although earlier predictions of the vote ranged as high as 80 per cent turnout, the actual turnout was greater than is usual in a non-Presidential election year.

In other races, New York Democrats took over the statehouse there for the first time in 16 years with the election of Democratic Representative Hugh L. Carey, who easily defeated Governor Malcolm Wilson for the top Albany post. The win by Carey is expected to make him a major force in the Democratic Party in 1976, when he might win nomination for a national office.

Carey will be aided in Albany by Democratic control over the state assembly and the state legislature. But the Democratic wave proved insufficient to oust Republican US Senator Jacob Javits of New York, who defeated his challenger, former US Attorney General Ramsey Clark, in what is predicted to be Javits' last campaign.

In New Jersey, Governor Brendan Byrne suffered a mild setback when a referendum to approve casino gambling in the state — a measure Byrne supported — was defeated. The Governor had mollified his support of the measure somewhat in recent weeks, but nonetheless

was seen to have been hurt by the rejection.

Identification with Watergate and former President Richard M. Nixon was the downfall of many Republicans across the country. In New Jersey, for example, Reps. Charles Sandman and Joseph J. Maraziti, both of whom had defended the former President during impeachment hearings before the House Judiciary Committee, were defeated.

In Indiana, Rep. Earl Landgrebe, a staunch Nixon backer who was probably the last Congressman to defend the

former President after the revelation of the evidence that Nixon had participated in the Watergate cover-up, was defeated by his Democratic challenger, Rep. David Dennis, another of Nixon's defenders on the Judiciary committee, narrowly escaped a challenge by political scientist Philip Sharp in the 10th District of Indiana, and Indianapolis Mayor Richard G. Lugar found his title "President Nixon's favorite mayor" too much to overcome in his challenge against Democratic Senator Birch Bayh.

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# Sports

## Water polo squad improved

By Jay Morris

MIT's varsity water polo team completed its 1974 season with a 4-8 record which, although not a winning mark, was a large improvement over last year's 1-11 record.

The squad improved greatly over the season, which enabled it to compete in the New England Championships, held October 26-27. Although the team lost all of its games there, it played tight matches against Brown (4-8) and Harvard (4-10).

This season marked the first time in many years that MIT posed a credible threat in its conference. The Engineers did this by playing hard-fought games which were not reflected in the 4-8 season mark. Although losing to Boston College and Brown in all four games played against these teams, each of these matches was very closely contested, and the Engineers

remained within striking distance until the final minutes of each game.

MIT did gain impressive victories over Dartmouth, URI, Trinity, and Southern Connecticut College, marking the Engineers as the New England team to watch next year. Only Harvard and Yale dealt MIT decisive losses.

The team will lose some of its leadership with the graduation of seniors Dan Bethencourt and Dave Rose (the team's leading scorers), Thomas Jacobs, and Peter Schulz, each of whom had

an impressive season.

The loss of such talented seniors will not be fatal, however, because of the strong group of freshmen on the team this year. Steve Melnikoff '78 earned himself a starting position this year, while Dick Henze '78, Gary Simpson '78, and Sam Senne '78 showed much promise. With upperclassmen Mark Thorne-Thomsen '78, Tony Abner '77, Marc Deric '76, Jeff Bentley '76, and goalie Steve Oblath '77 returning, next year ought to bring an exciting season of water polo to MIT.

## Brandeis runner finally tops MIT's Richardson

(Continued from page 12)

Bentley Saturday with a low score of 24 points. MIT followed with 42, and Bentley, which boasted a 14-6 record coming into the meet, trailed with 65.

Richardson suffered his first dual meet loss of the year to Rich Reinhold of Brandeis. Reinhold covered the 5-mile course in 24:48, seven seconds ahead of Richardson. Carlson and Jeff Baerman '76 ran their best races of the season, Carlson 5th in 25:31 and Baerman 8th in 25:45.

The JV ended its most successful season ever (6-2) on a cheerful note with a shutout (capturing the first five places) over Brandeis and Bentley. Stan Martin '77 broke the tape for MIT in 16:48 over the 3.1-mile course. Eric Carr '78, Jeff Kaste '78, Frank Kenney '78, and Mike Lowry '77 ran career bests to account for the clean sweep.

Despite this being the fastest MIT cross country squad ever,

the Engineers still did not receive a berth in the Nationals in Wheaton, Illinois. Athletic Director Ross H. Smith cited budget problems as the chief deterrent to the proposed trip.

Needless to say, the team members felt disappointed and slighted at the decision, as the 9-2 season record was the second best in MIT history. Coach Pete Close, who has turned cross country into a winning sport at MIT in his two seasons with the team, felt that this was one of the finest intercollegiate teams MIT would sponsor this year, noting that in the past, teams of this caliber would have been justified in going to the Nationals. (The 1968 squad finished 8-3, and was sent to the Nationals, where they placed 4th.) He also stated that hopefully by next year, specific qualifications will be spelled out for a berth in the NCAA's.

The Harvard Law Forum presents JANE FONDA speaking at 3:00 PM on November 8th in the Ames Courtroom, Austin Hall, at Harvard Law School. Tickets \$1.50 in advance at Holyoke Center, or \$2.00 at the door. For more information, contact the Forum at 495-4417.

### THE UNIVERSITY OF MICHIGAN GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

A representative of the Admissions Office will be on campus Friday, November 15, 1974 to discuss the Master of Business Administration with students interested in management careers.

Appointments to meet with James B. Ardis, Director of Admissions, may be made through the Career Planning and Placement Office.

The MBA degree program is a two-year course widely recognized as preparation for careers in the management of business, government and other organizations. College graduates with majors in liberal arts, humanities, social science, engineering, or other fields are eligible to apply if at least one mathematics course has been included in the undergraduate program.

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## Grants for Graduate Study in ENGLAND AND GERMANY

Churchill Scholarships for study at Churchill College, Cambridge University in the fields of Science, Engineering and Mathematics. Deadline: November 11, 1974.

DAAD Scholarships (German Academic Exchange Service) for study at a German University. Deadline: November 15, 1974.

See the Foreign Study Office, Room 7-133, Ext. 3-5243 for further details and application forms.

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Sports

# Math wins IM volleyball title

By Edward M. Cluss  
After an exciting week of IM volleyball playoff action, teams from the Math Department and MacGregor C finally emerged last Sunday as the A-league and C-league champions, respectively.

Math had to fight off an excellent Persian team, winning the title match, 15-8, 13-15, 15-8, while the C-league winner had a relatively easy trip to the championship, downing the other finalist, G.R.A.S., in the clincher.

In order to qualify for this year's A-league playoffs, an A-league team had to finish at least third in its division, while B-league squads had to finish first. C-league teams were similarly required to win their division to be eligible for post-season play. Altogether, 20 of the 99 teams qualified for the tournament.

As the Math squad finished third in its division, the win could certainly be labeled as an upset. Led by player-coach Dave Castanon G, Math easily beat the

Volleyball Club team and Baker, both of whom had defeated Math during the regular season, in preliminary matches. The runner-up Persians swept two games from Bexley to move into the final.

Losing in the C-league semi-finals to MacGregor C and G.R.A.S. were the MacGregor H "Turkeys A" and MacGregor E "team A."

sporting notices

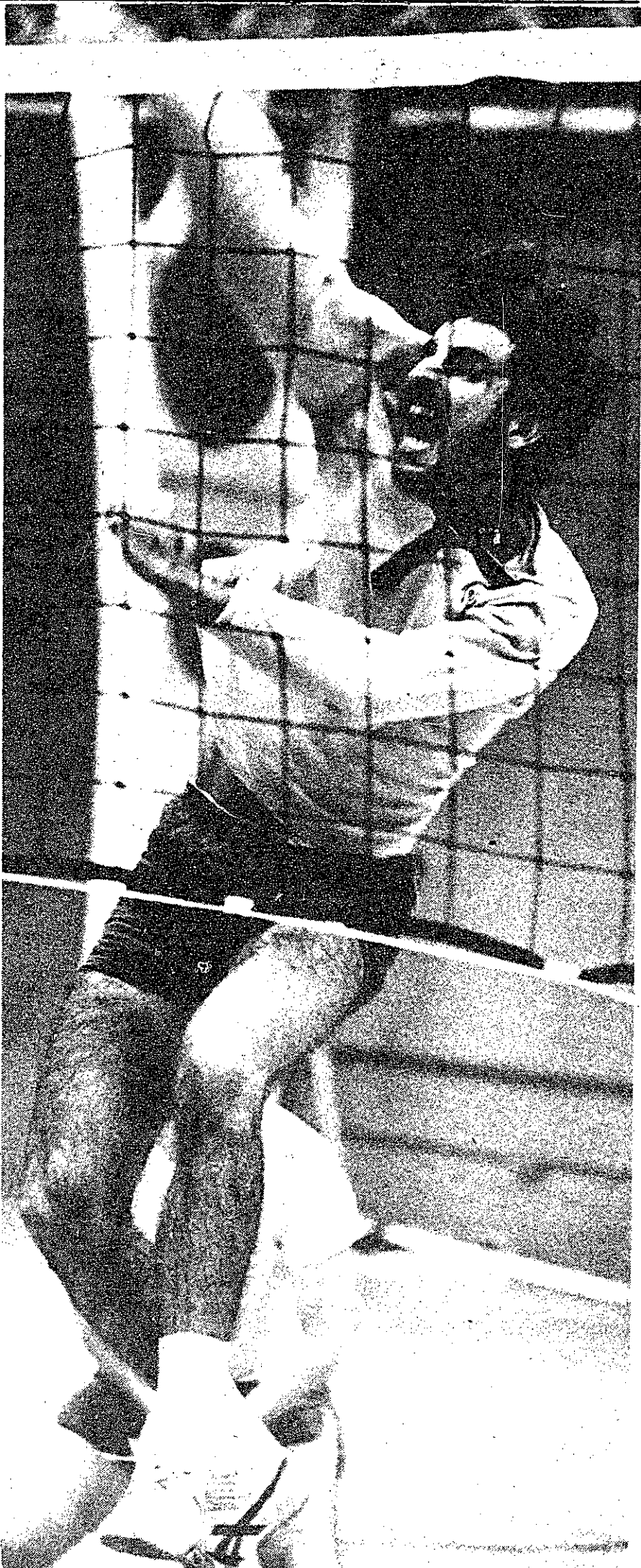
Individual entries for this year's IM cross-country meet, to be held this Sunday at 11:00am, will be accepted until ten minutes before the starting time, although the deadline for team entries has passed. Awards will be given to the winning team as well as to the first 15 male and top five female finishers.

\*\*\*\*\*  
The 1974 fall IM cycling meet will be held tomorrow at a location just east of Belmont. Registration forms should be returned to the IM Managers' Office, W32-121, by 5:00pm today, but late registration will be accepted at the starting point of the race.

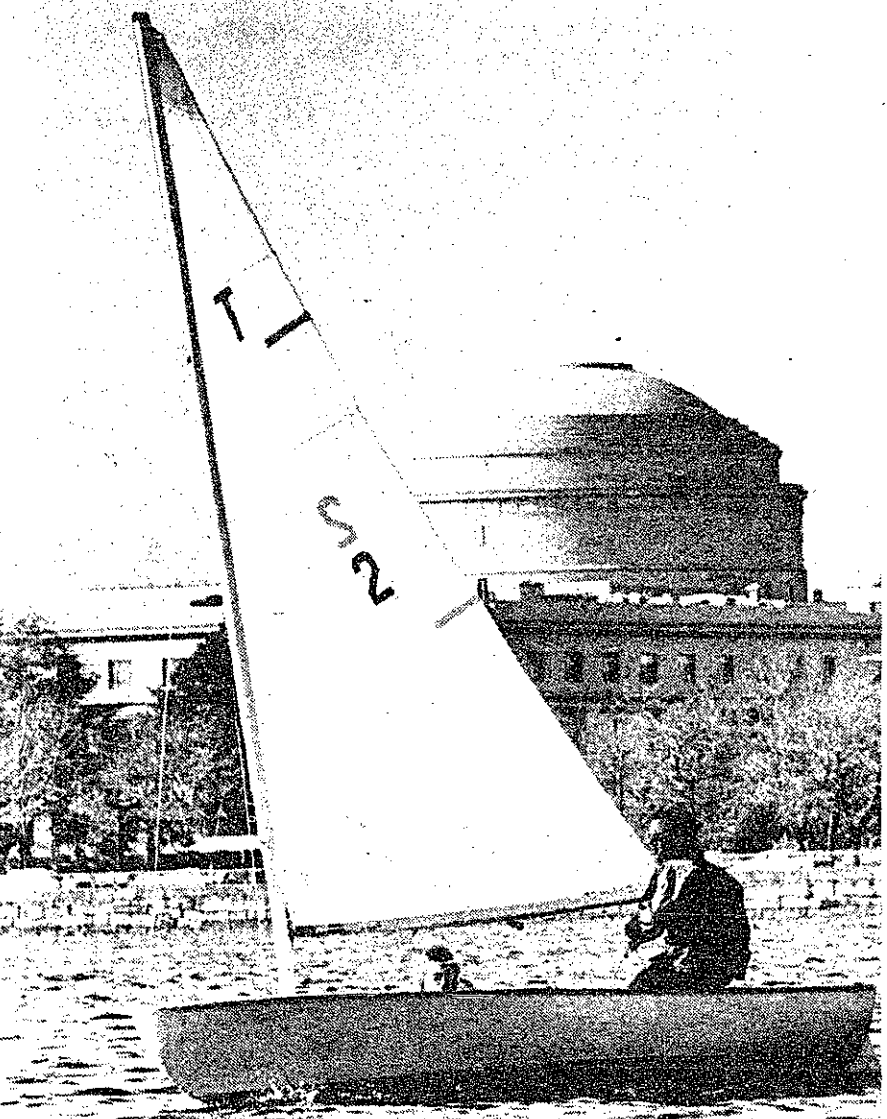
\*\*\*\*\*  
Rosters and entry forms for this year's IM hockey program must be submitted to the IM Managers' Office, W32-121, by 5:00pm today. No late registration will be accepted.

\*\*\*\*\*  
The IM wrestling tournament will be held Saturday, November 16, in the duPont Wrestling Room. Team rosters for the tournament are due in the IM Managers' Office, W32-121, by 5:00pm next Monday, November 11. All teams are urged to send a representative to the seeding meeting, which will be held at 8:00pm on Tuesday, November 12 at SAE, 484 Beacon Street, Boston.

\*\*\*\*\*  
The women's swimming team is now practicing daily at the pool at 5:45pm. All interested, including graduate students, are invited to attend. For more information, contact Mary-Lou Sayles, x3-4920.



Dave Castanon G led the Math Department team to victory in this year's IM volleyball tournament. Photo by Ed McCabe



Skipper Chuck Tucker '75 (above at right) with his crew Chuck Johnson '76 helped sail MIT to a sixth place finish in last weekend's Schell Trophy Regatta, qualifying the team for this year's Atlantic Coast Championships. The pair, also shown below, finished in a tie for fourth among the A-Division boats. Photos by Mark James

## Sailors sixth in Schell, earn spot in Atlantics

By Lila Kobylak  
This weekend the MIT men's varsity sailing team qualified for the Atlantic Coast Championships by finishing sixth in the Schell Trophy Regatta. This regatta serves the dual purpose of being a trophy regatta as well as being the eliminations for the Atlantic Coast Championship.

A-Division skipper Chuck Tucker '75 with crew Chuck Johnson '76, and B-Division skippers Paul Erb '76 and Bill Critch '77 with crew Steven Gourley '77 sailed for the Engineers.

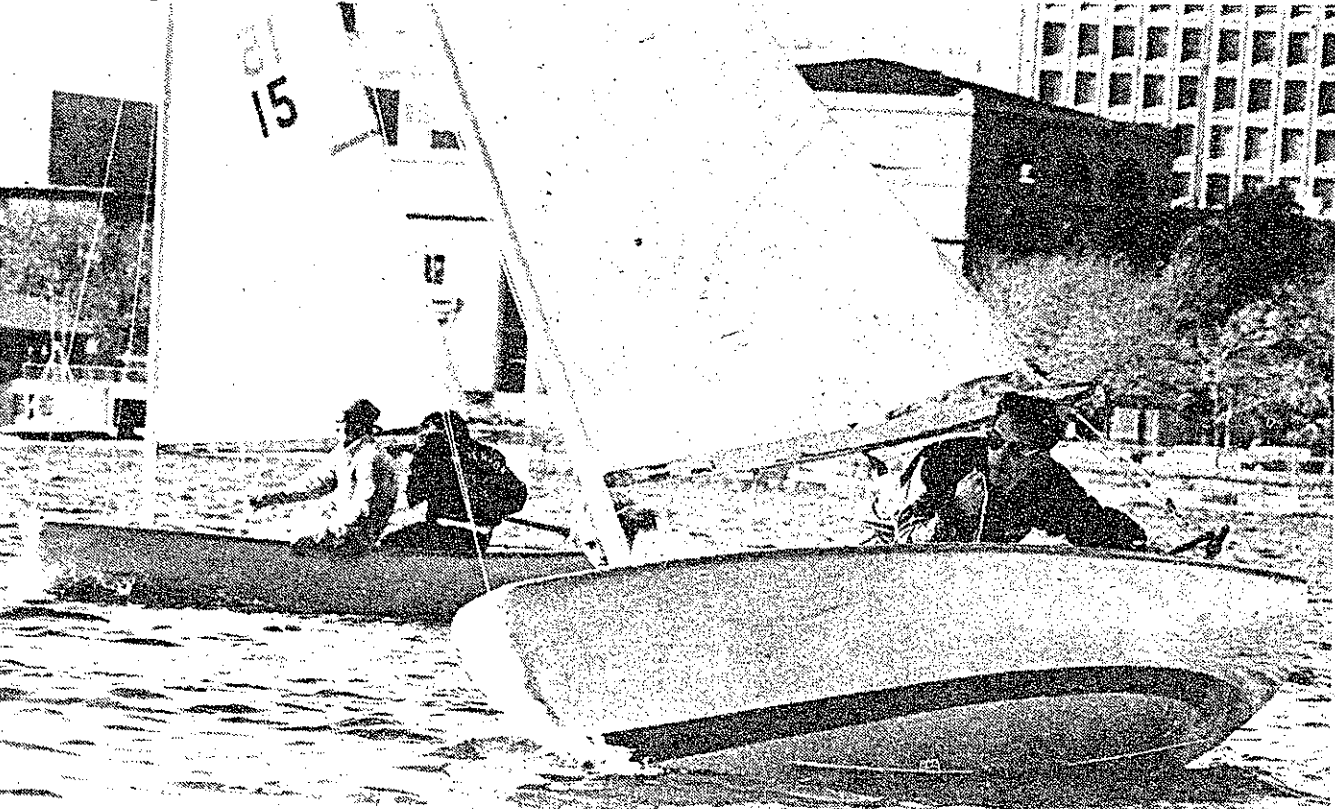
tative of the freshman fall championship. Judging from his record this season, Smith has a good chance of winning the trophy.

The MIT women's sailing team wrapped up its fall season by placing sixth in the Captains Cup hosted by Jackson College. Co-captain Barbara Belt '77 skippered the A-Division entry while Debbie Samkiff '77 was B-Division skipper.

Regatta scores are summarized below, with asterisks used to denote Atlantic Coast qualifiers.

Schell Trophy	A	B	T
Tufts	21	46	67*
Kings Point	47	63	110
Harvard	81	45	126*
URI	68	59	127*
Northeastern	61	74	135*
MIT	61	74	135*
Bowdoin	81	57	138*
Yale	59	79	138*
Brown	84	72	156
Coast Guard	87	71	158
Royal Military			
Acad. of Canada	92	104	196
Franklin Pierce	116	116	232

Freshman Gary Smith placed second in the qualifiers for the Pirdy Trophy, which is represen-



## Cross country: 8th in Easterns, 9-2 final log

By Dave Dobos  
The MIT cross country team placed eighth in the Eastern Championships at Franklin Park on Saturday, October 26, and then ended its dual meet season by splitting with Brandeis and Bentley, to finish 9-2 yere last Saturday.

lighted the invitational for the Engineers, finishing 7th in the 124-man, 18-team field. His time of 24:36 over the 5-mile course makes him the fastest MIT runner in history for that distance. Courtney McCracken '76, Steve Keith '77, and Chris Svendsgaard '78 continued the teamwork characteristic of the squad all year long to finish 45th, 46th and 47th, respectively. All three broke 26:00, a first for McCracken. MIT was hurt by the loss of Al Carlson '75 for the meet. With the steadily improving Carlson, the Engineers could easily have been fifth.

Providence College swept the top three places enroute to the championship with an impressive low score of 28 points. Springfield College was runner-up with 75.

The JV also finished eighth in the Easterns. Lenny Berman '75 paced the harriers with a time of 16:52 for 31st place in the 3.1-mile event. The team finish was a dismal one for the JV, who expected to do much better.

Brandeis, a potential winner of the Division III national title, took a dual meet from MIT and (Please turn to page 11)